

Abstract

The present invention concerns in particular an extruded profiled element consisting of a cross-linkable rubber composition, a process for obtaining this profiled element, and a tire tread based on the said extruded and cross-linked profiled element. An extruded profiled element according to the invention is delimited in width by two lateral faces which connect radially inner and outer faces to one another for the tread, conducting means being provided in the profiled element to connect the inner face electrically to the outer face between the lateral faces and all along the length of the profiled element, the remainder of the profiled element being based on an electrically insulating material. This profiled element is such that, viewed in a cross-section of the profiled element, the conducting means have a layered structure comprising electrically conducting layers which are essentially concentric and which have a curvature towards at least one of the inner and outer faces, with at least one of the layers emerging at the surface of the outer face. The application of the invention relates in particular to the quality of radio wave reception by a radio fitted on board a vehicle equipped with tires.